

# Product Specifications For 313 GC - Tier 4 / Stage V



## Engine

Net Power - ISO 9249	73 hp
Engine Model	Cat C3.6
Engine Power - ISO 14396	74 hp
Engine Power - ISO 14396 (DIN)	75 hp (metric)
Net Power - ISO 9249 (DIN)	74 hp (metric)
Bore	4 in
Stroke	5 in
Displacement	220 in <sup>3</sup>
Biodiesel Capability	Up to B20 <sup>1</sup>
Emissions	Meets U.S. EPA Tier 4 Final, EU Stage V, and Japan 2014 emission standards
Note (1)	Net power advertised is the power available at the flywheel when the engine is equipped with fan, air intake system, exhaust system and alternator with engine speed at 2,400 rpm. Advertised power is tested per the specified standard in effect at the time of manufacture.

**Note (2)**                    <sup>1</sup>Cat diesel engines are required to use ULSD (ultra-low sulfur diesel fuel with 15 ppm of sulfur or less) or ULSD blended with the following lower-carbon intensity fuels\*\* up to: 20% biodiesel FAME (fatty acid methyl ester)\* or 100% renewable diesel, HVO (hydrotreated vegetable oil) and GTL (gas-to-liquid) fuels. Refer to guidelines for successful application. Please consult your Cat dealer or “Caterpillar Machine Fluids Recommendations” (SEBU6250) for details. \* Engines with no aftertreatment devices can use higher blends, up to 100% biodiesel (for use of blends higher than 20% biodiesel, consult your Cat dealer).\*\* Tailpipe greenhouse gas emissions from lower-carbon intensity fuels are essentially the same as traditional fuels.

Hydraulic System

Main System - Maximum Flow	247 L/min (65 gal/min)
Maximum Pressure - Equipment	5075 psi
Maximum Pressure - Travel	5075 psi
Maximum Pressure - Swing	3770 psi

Swing Mechanism

Swing Speed	11.5 r/min
Maximum Swing Torque	25888 lbf·ft

Weights

Operating Weight	30400 lb
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Service Refill Capacities

Fuel Tank Capacity	68.2 gal (US)
Cooling System	4 gal (US)
Engine Oil	2.1 gal (US)
Final Drive - Each	0.8 gal (US)
Hydraulic System - Including Tank	22.5 gal (US)

Hydraulic Tank	18.5 gal (US)
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## Dimensions

Boom	Reach 4.65 m (15'3")
Stick	Reach R3 m (9'10")
Bucket	GD 0.68 m³ (0.89 yd³)
Shipping Height - Top of Cab	9.3 ft
Handrail Height	9.3 ft
Shipping Length	26.4 ft
Shipping Length - with Blade	26.3 ft
Tail Swing Radius	7.2 ft
Counterweight Clearance	3 ft
Ground Clearance	1.5 ft
Track Length	12.3 ft
Length to Center of Rollers	10 ft
Track Gauge	6.5 ft
Transport Width	8.2 ft

## Working Ranges And Forces

Maximum Digging Depth	19.8 ft
Boom	Reach 4.65 m (15'3")
Stick	Reach R3 m (9'8")

<b>Bucket</b>	GD 0.68 m <sup>3</sup> (0.89 yd <sup>3</sup> )
<b>Maximum Reach at Ground Level</b>	28.4 ft
<b>Maximum Cutting Height</b>	29 ft
<b>Maximum Loading Height</b>	21.1 ft
<b>Minimum Loading Height</b>	5.3 ft
<b>Maximum Depth Cut for 2440 mm (8 ft) Level Bottom</b>	19.3 ft
<b>Maximum Vertical Wall Digging Depth</b>	17 ft
<b>Minimum Working Equipment Radius</b>	8.4 ft
<b>Bucket Digging Force - ISO</b>	22180 lbf
<b>Stick Digging Force - ISO</b>	13330 lbf

# Air Conditioning System

<b>Air Conditioning</b>	The air conditioning system on this machine contains the fluorinated greenhouse gas refrigerant R134a (Global Warming Potential = 1430). The system contains 0.85 hg of refrigerant which has a CO2 equivalent of 1.216 metric tonnes.
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# 313 GC - Tier 4 / Stage V Standard Equipment

## NOTE

Standard and optional equipment may vary. Consult your Cat dealer for details.

## BOOM AND STICKS

4.65 m (15'3") Reach boom

## CAB

Rollover protective structure (ROPS)  
 Comfort Cab: air suspension seat, 203 mm (8") touch screen monitor

## CAT TECHNOLOGIES

VisionLink®

Remote Flash

## **ELECTRICAL SYSTEM**

Maintenance free battery

LED chassis light, left-side boom light, cab lights

Programmable time-delay LED working lights

## **ENGINE**

Cat C3.6 single turbo diesel engine

Auto engine speed control

Auto engine shutdown

52°C (125°F) high-ambient cooling capacity without de-rate

-18°C (0°F) cold start capability

Electric fuel priming pump

Variable speed fan

Single fuel filtration system

Double element air filter with integrated precleaner

Biodiesel capability up to B20

## **HYDRAULIC SYSTEM**

Boom and stick regeneration circuit

Auto hydraulic warm up

Auto two speed travel

Electric main control valve

Boom and stick drift reduction valve

## **SAFETY AND SECURITY**

Rear and right-side-view cameras

Hydraulic lock out lever

Ground-level engine shutoff switch

Service platform with anti-skid plate and countersunk bolts

Signaling/warning horn

## **SERVICE AND MAINTENANCE**

Grouped engine oil and fuel filters

Side entry to service platform

Ground-level engine oil dipstick

Sampling ports for Scheduled Oil Sampling (S-O-S)

Lockable disconnect switch

Integrated vehicle health management system

## **UNDERCARRIAGE AND STRUCTURES**

Grease lubricated track link

Tie down points on base frame

2470 kg (5,445 lb) counterweight

# 313 GC - Tier 4 / Stage V Optional Equipment

## NOTE

Standard and optional equipment may vary. Consult your Cat dealer for details.

## BOOM AND STICKS

2.5 m (8'2") Reach stick (Standard in the Kingdom of Saudi Arabia and Türkiye)

2.8 m (9'2") Reach stick

2.8 m (9'2") Thumb Ready stick

3.0 m (9'10") Reach stick

## CAB

Operator Protective Guards (OPG)

## CAT TECHNOLOGIES

VisionLink Productivity

## ELECTRICAL SYSTEM

LED right-side boom light

360° lighting

## HYDRAULIC SYSTEM

Boom and stick lowering check valves

Medium-pressure line

High-pressure line

Quick coupler line

## SAFETY AND SECURITY

Swing alarm

Inspection lighting

## UNDERCARRIAGE AND STRUCTURES

500 mm (20") triple grouser shoes

500 mm (20") triple grouser shoes with rubber pad

500 mm (20") rubber track shoes

600 mm (24") rubber track shoes

600 mm (24") triple grouser shoes

700 mm (28") triple grouser shoes

2500 mm (8'2") blade

2600 mm (8'6") blade

2700 mm (8'10") blade